



HOUSE FRAMING DETAILS



NATIONAL LUMBER
MANUFACTURER

ASSOCIATION

VOL-IV-CH-3

CONSTRUCTION INFORMATION SERIES

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NATIONAL LUMBER MANUFACTURERS ASSOCIATION WASHINGTON, D. C.

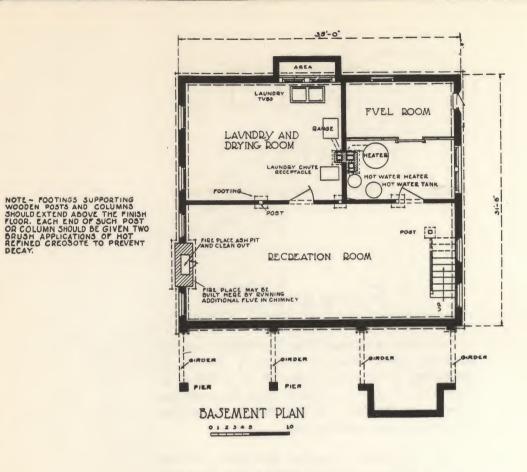
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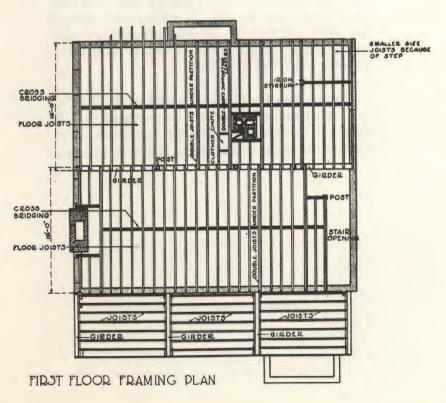
Foreword

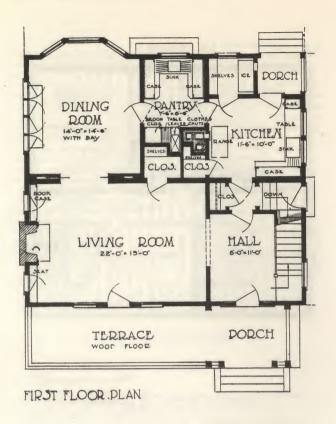
The plates of "House Framing Details," on the succeeding pages, illustrate satisfactory methods of assembling the structural parts of frame buildings. They should serve as a reliable guide for architects, owners, and builders, and for students of architecture and building construction.

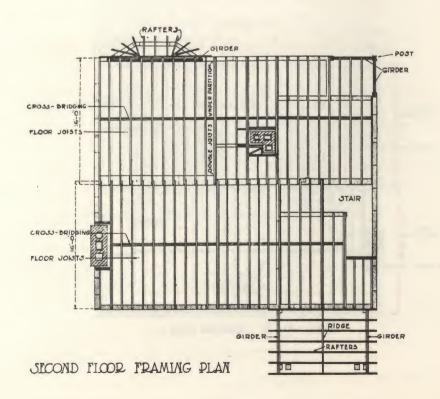
The information presented has been Leveloped from the results of common practice, that have been demonstrated and proved. It reflects recent research and laboratory findings. Buildings framed in accordance with the illustrations should be substantial, durable, and storm resistant.

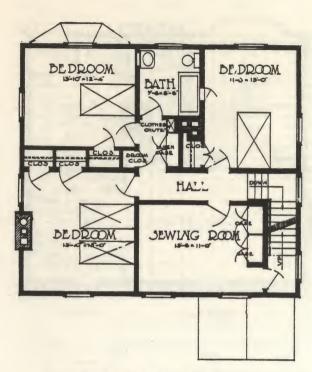
"House Framing Details," revised by R. G. Kimbell. Architectural Advisor, is published by the National Lumber Manufacturers Association to encourage the proper utilization of lumber in buildings.



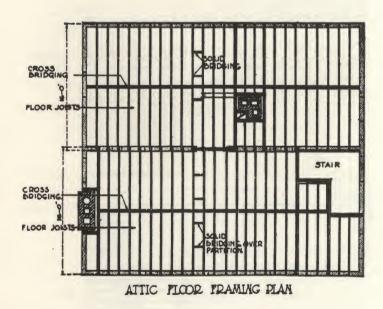


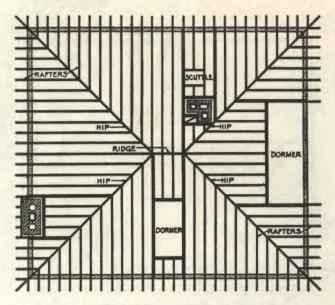






STOOND FLOOR PLAN





DOOF FRAMING PLAN

NOTES-FRAME BUILDINGS SHOVLD BE DESIGNED TO APPLY STANDARD LENGTHS OF LUMBER.

STANDARD LENGTHS ARE MANUFACTURED IN MULTIPLES OF TWO FEET.

WHERE GIRDERS OR OTHER MEMBERS ARE BUILT VP. SECTIONS SHOULD BE SECVELTY SPIKED TOGETHER.

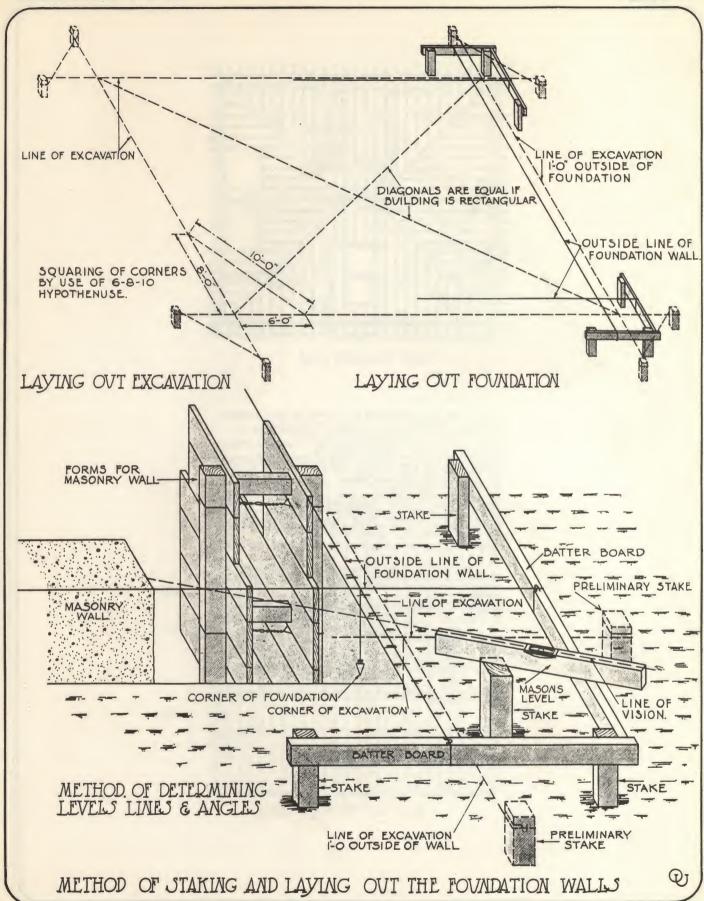
THE CUTTING OF BEAMS GIRDERS, JOISTS OR OTHER SUPPORTING TIMBERS SHOVLD BE DONE IN SVCH MANNER AS NOT TO REDUCE THE STRENGTH OF SUCH TIMBERS.

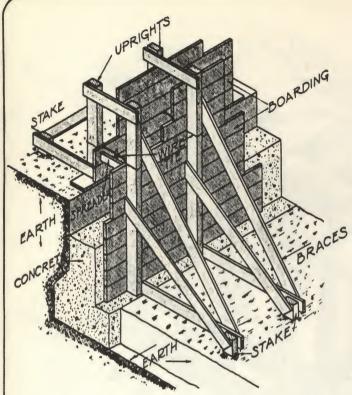
ALL JOISTS VIDER PARTITIONS, AROUND LARGE OPENINGS, CHIMNEYS ETC. SHOVLD BE DOVBLED.

ALL TIMBER BEARING MEMBERS SHOVLD BE LAID CROWN EDGE VP TOPS AND ENDS OF PORCH TIMBERS SHOULD RECEIVE TWO BRUSH APPLICATIONS OF HOT REFINED CREOSOTE, OR OTHER PRESERVATIVES.

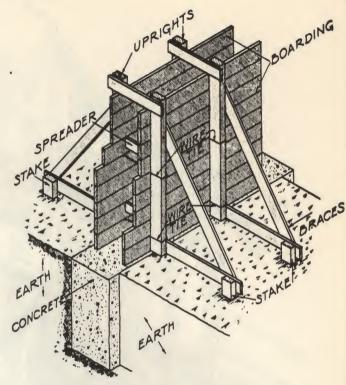
STUDS SHOULD BE DOVBLED VIDER ENDS OF ALL DOVBLED.

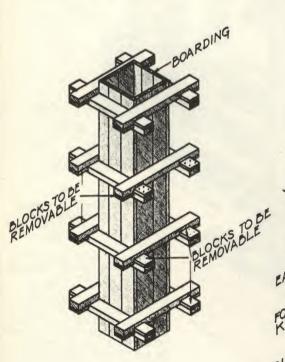
DISTANCE BETWEEN ROWS OF CROSS BRIDGING OR CROSS BRIDGING, AND BEARING SHOULD NOT EXCEED EIGHT FEET.



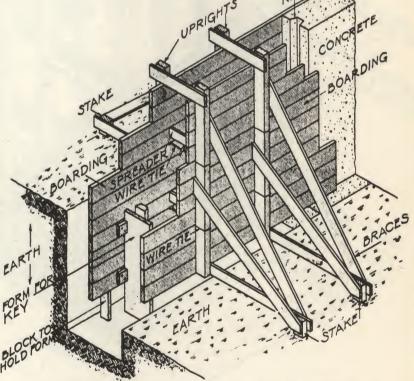


FORMS FOR WALL IN SOLID EARTH FORMS FOR WALL ABOVE GRADE

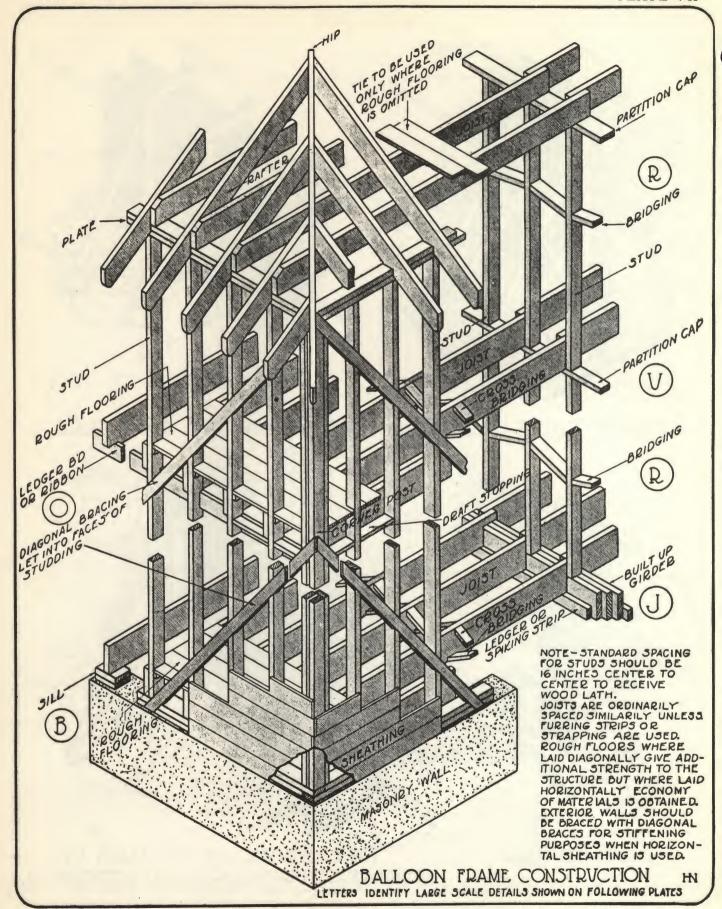


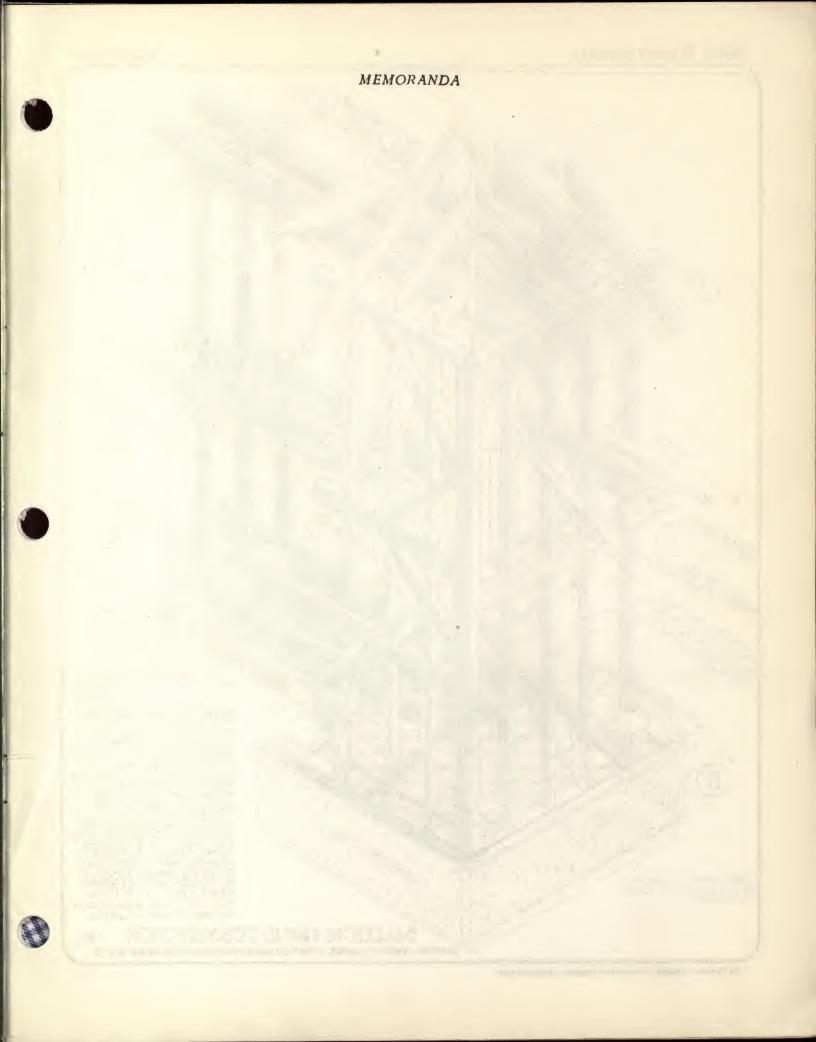


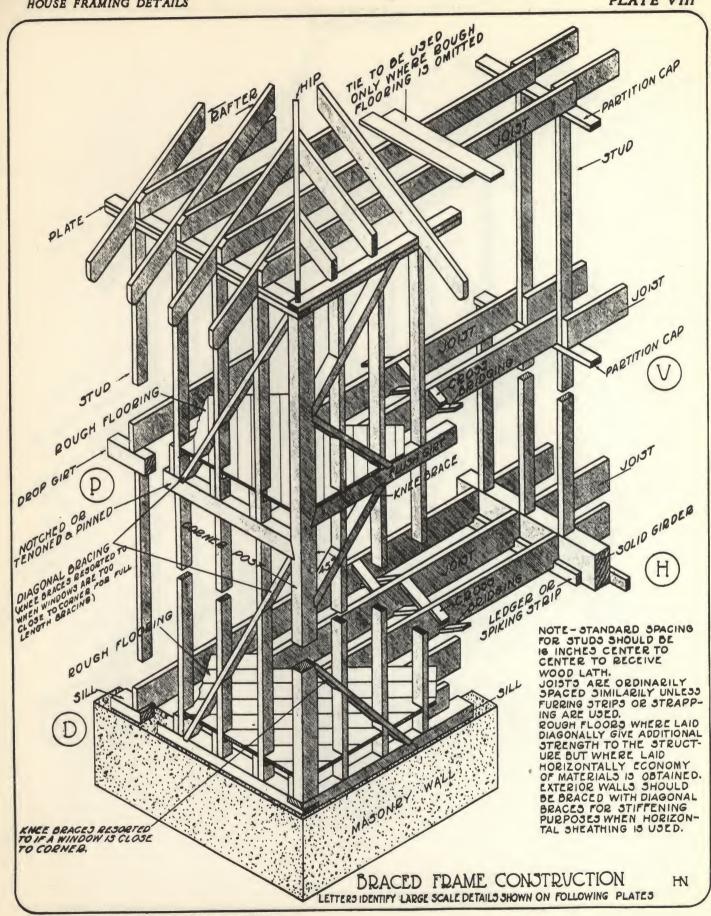
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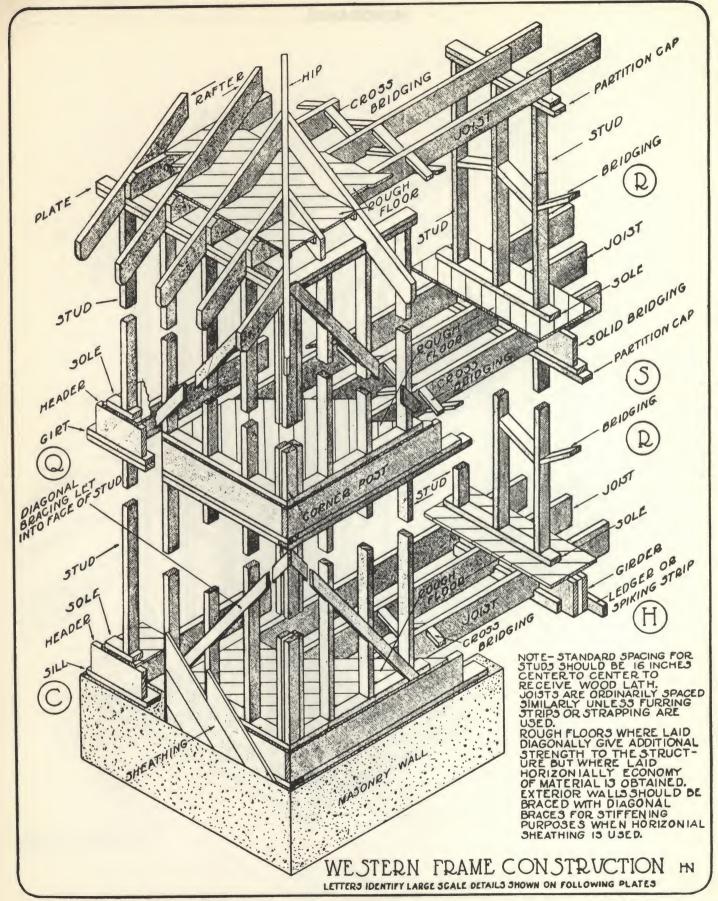


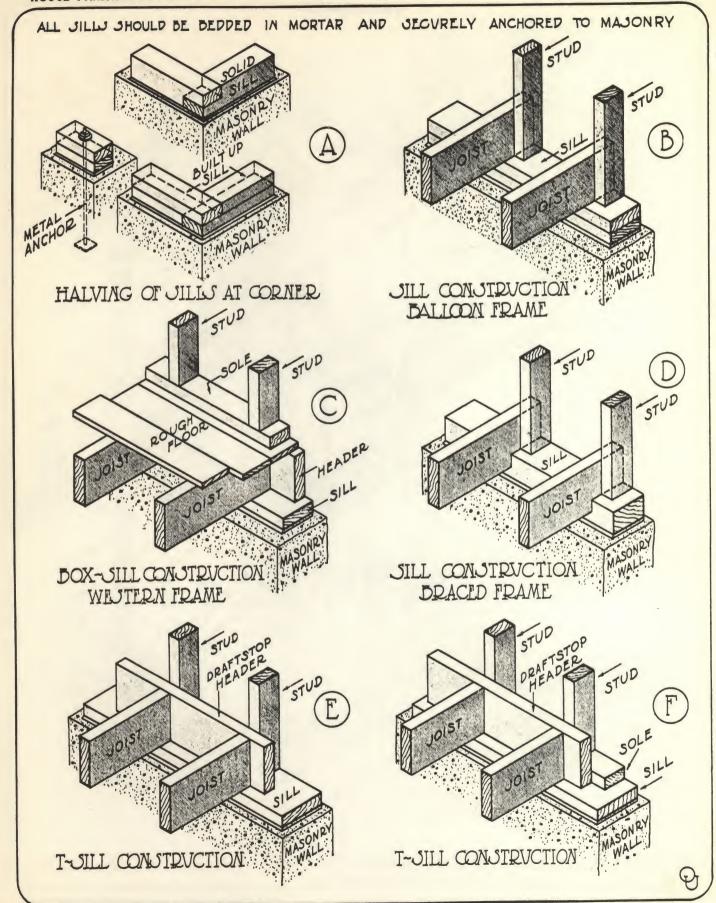
FORMS FOR WALL IN SOFT EARTH AND METHOD OF KEYING WALL FOR A HALT IN CONCRETE O

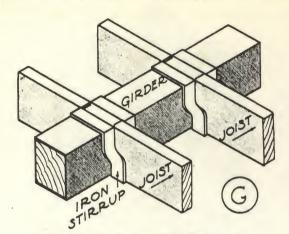




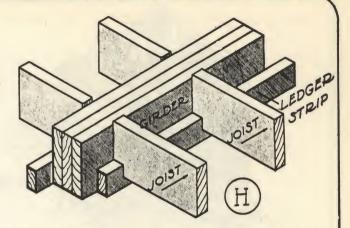




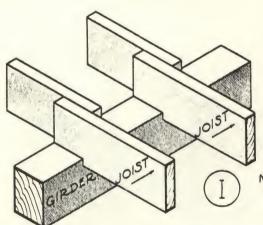




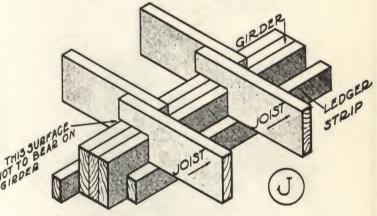
JOISTS HVNG ON GIRDER WITH IRON STIRRURS



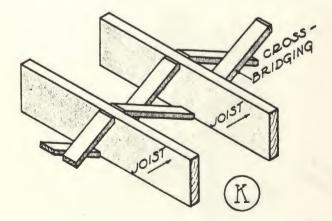
GIRDER CONSTRUCTION TO EQUALIZE SHRINKAGE DRACED & WESTERN FRAME



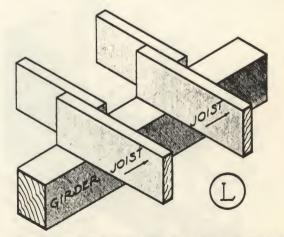
JOIJTU SIZED DOWN 1 IN. ON GIRDER WITH LAP



GIRDER CONSTRUCTION TO EQUALIZE SHRINKAGE BALLOON FRAME

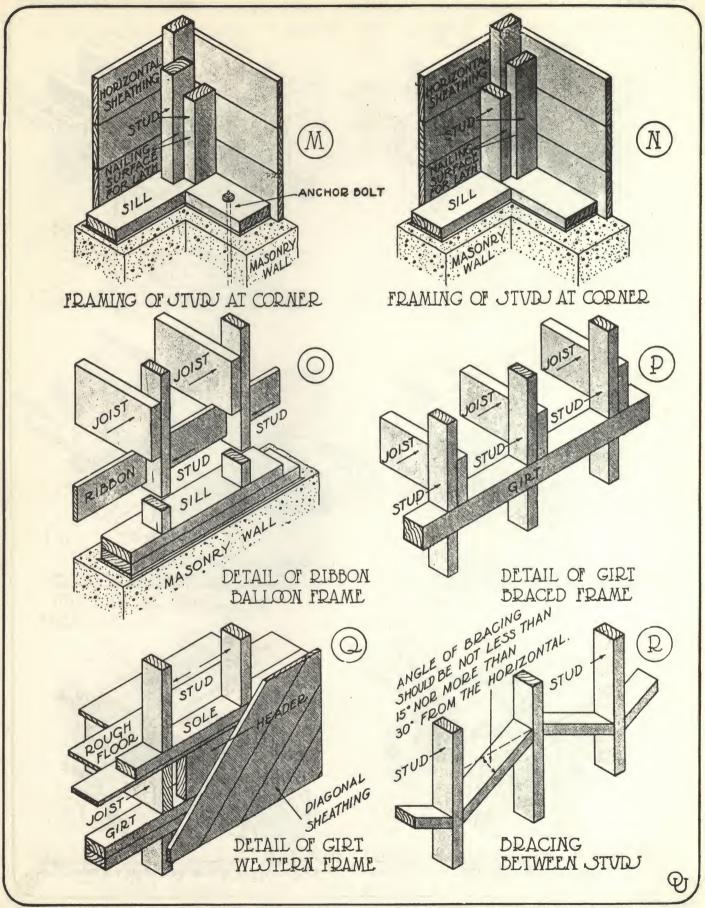


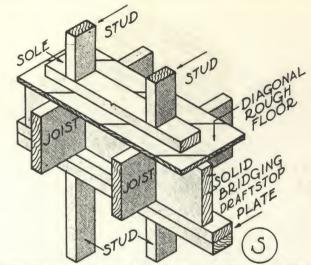
CROSS-BRIDGING BETWEEN JOISTS



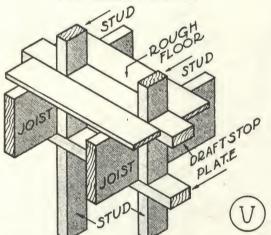
JOINTY LAPPED ON TOP OF GIRDLE

DIMINISHED DEPTH OF BEAM AT BEARING POINTS REDUCES CARRYING CAPACITY.

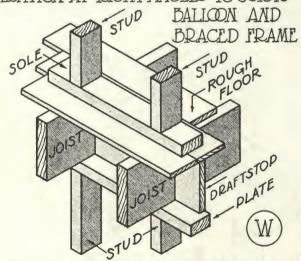




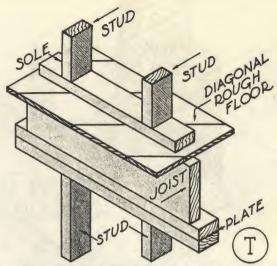
PARTITION AT RIGHT ANGLES TO JOSSIS WESTERN FRAME



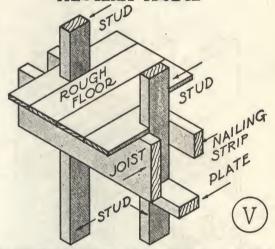
PARTITION AT RIGHT ANGLES TO JOISTS



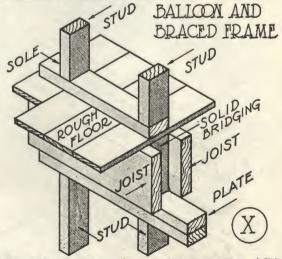
PARTITION AT RIGHT ANGLES TO JOISTS BALLOON FRAME



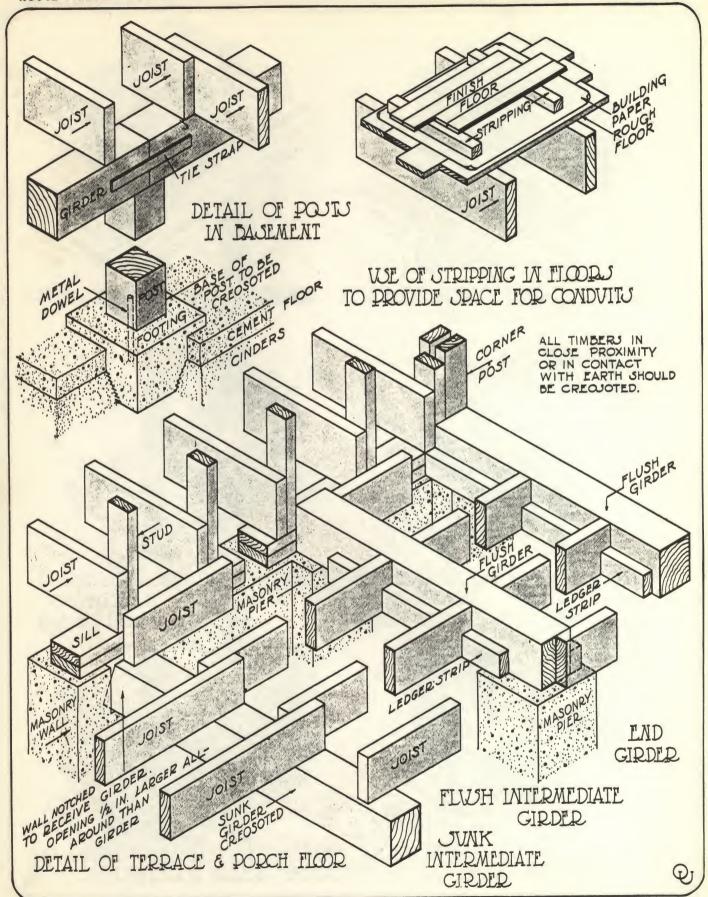
DARTITION DARALLEL WITH JOINTY WESTERN FRAME

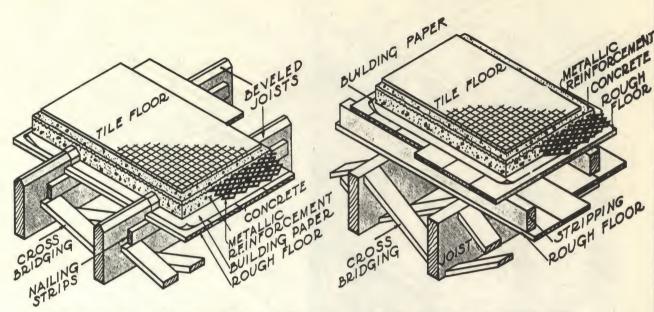


PARTITION PARALLEL WITH JOISTS

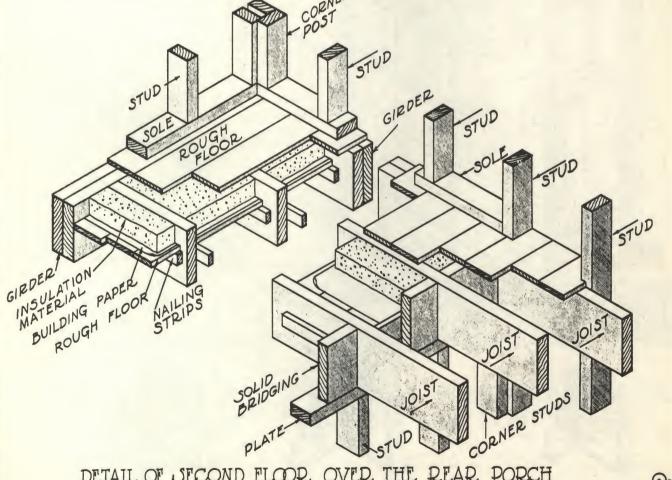


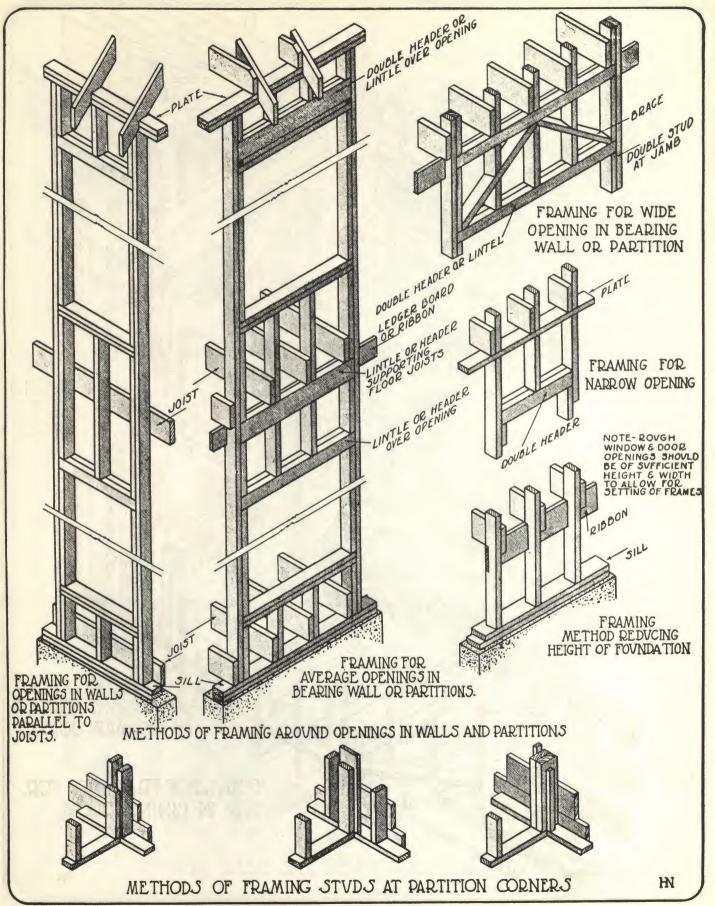
PARTITION PARALLEL WITH JOISTS AND JOINTU JPREAD FOR PIPES ETC

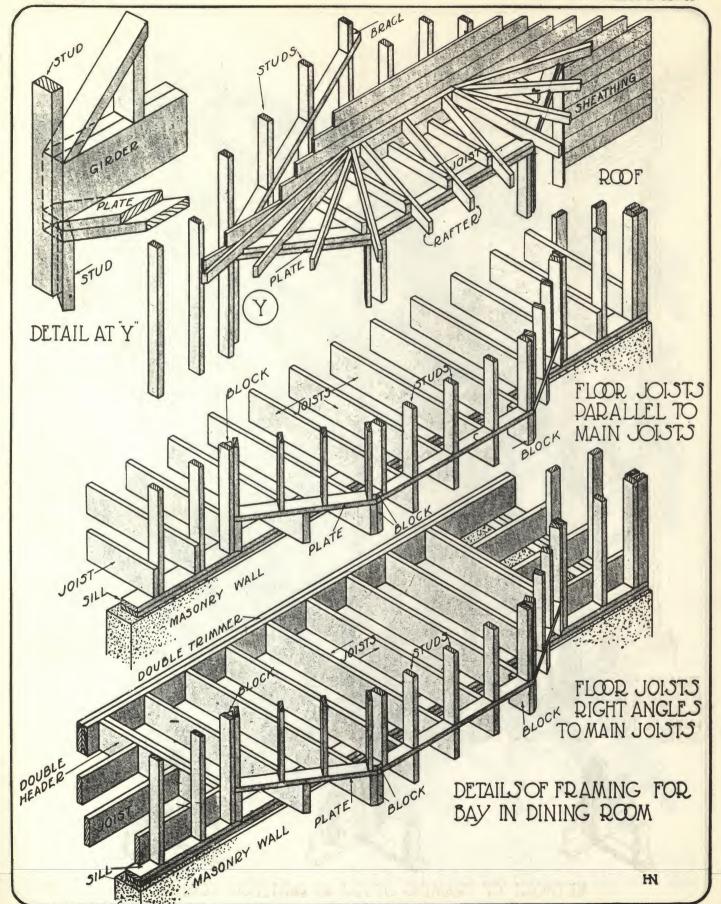


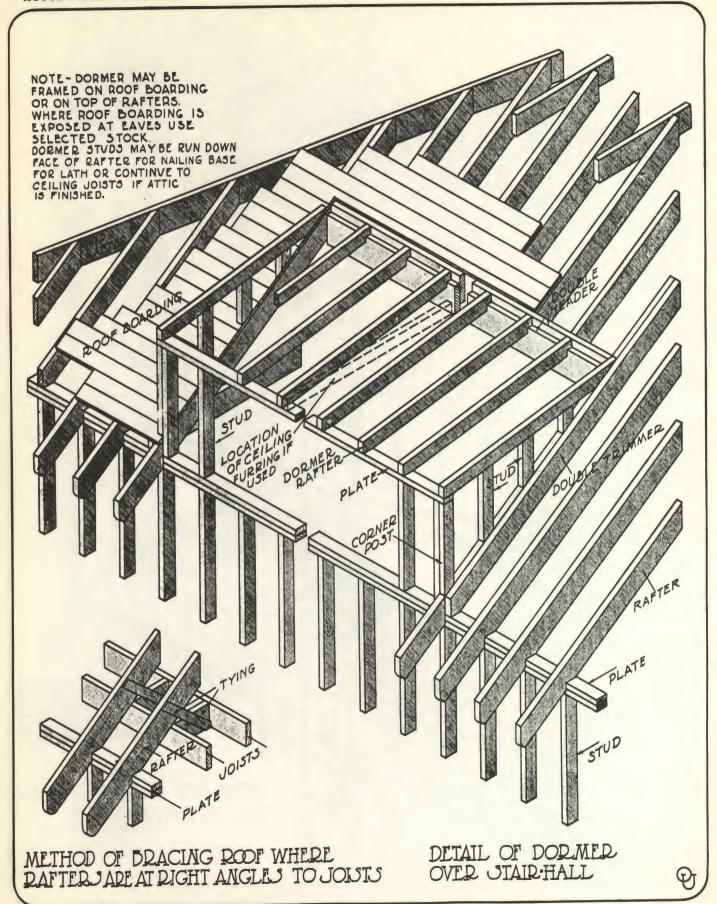


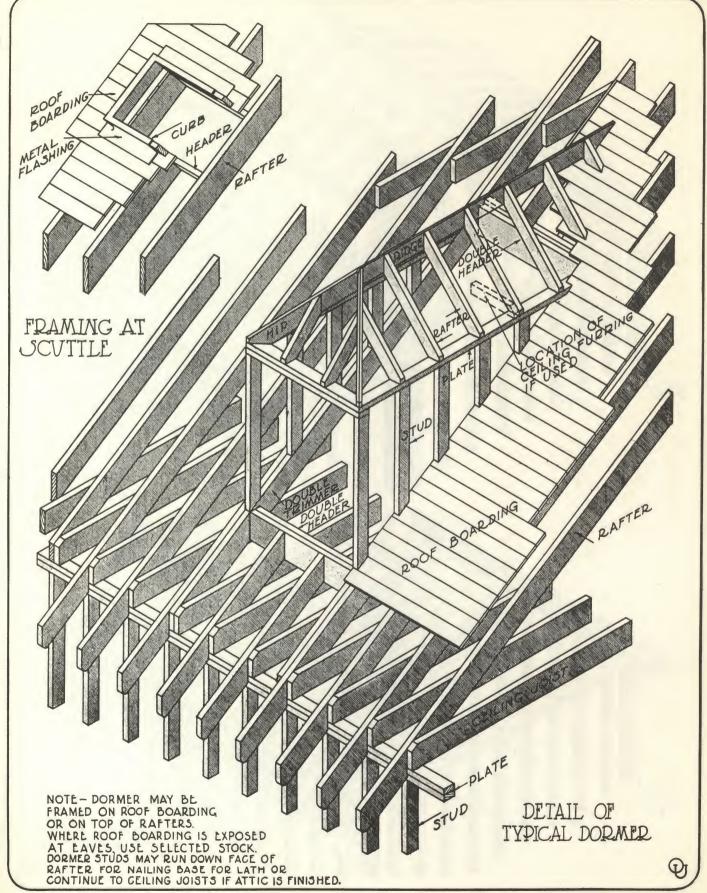
FLOOR FLWH WITH MAIN FLOOR TILE FLOOR STEPPED VP LAYING TILE FLOODS

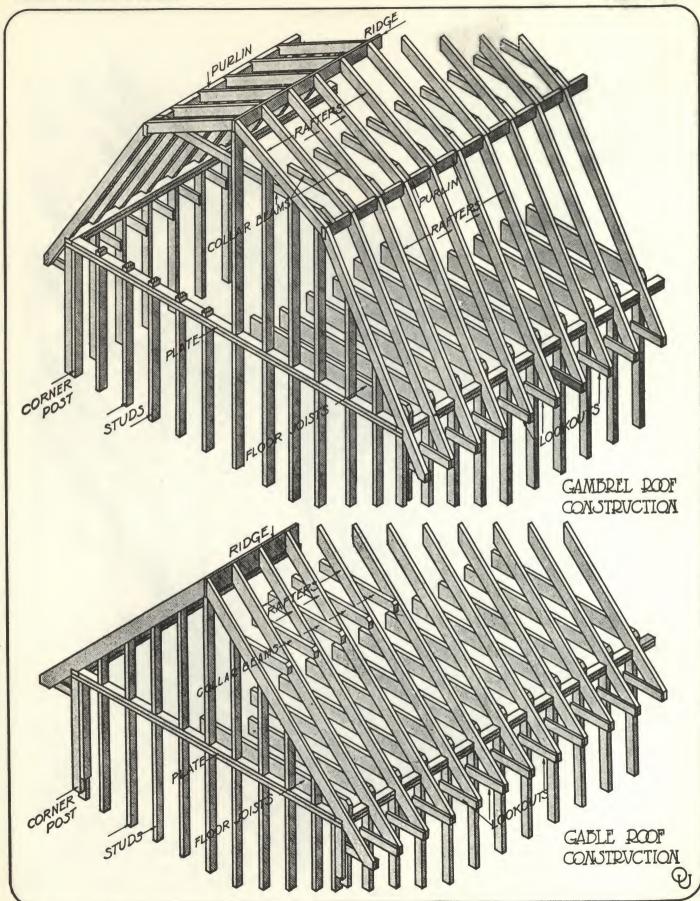




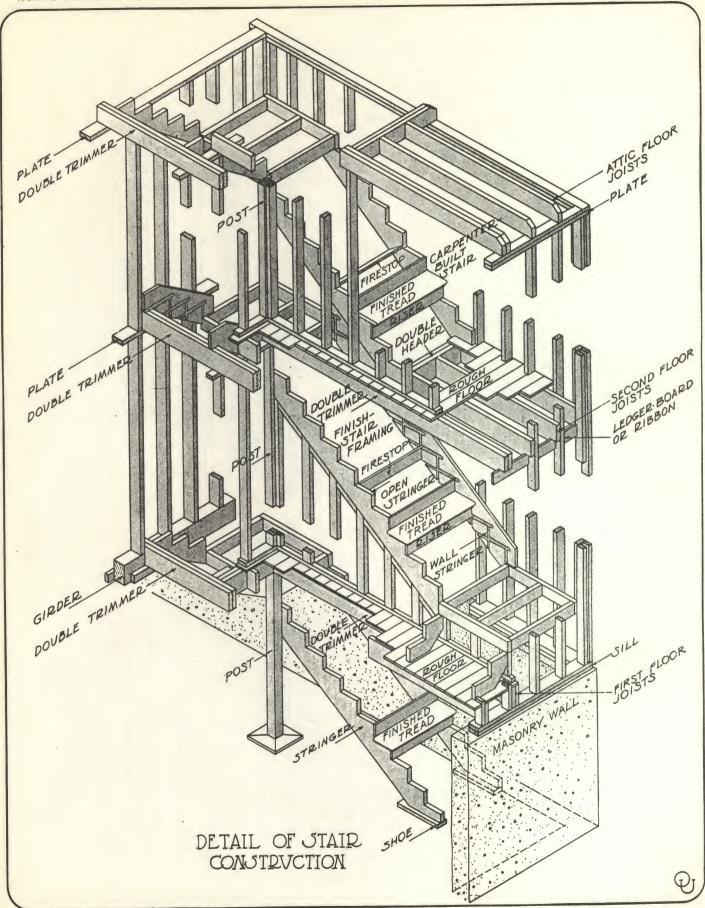


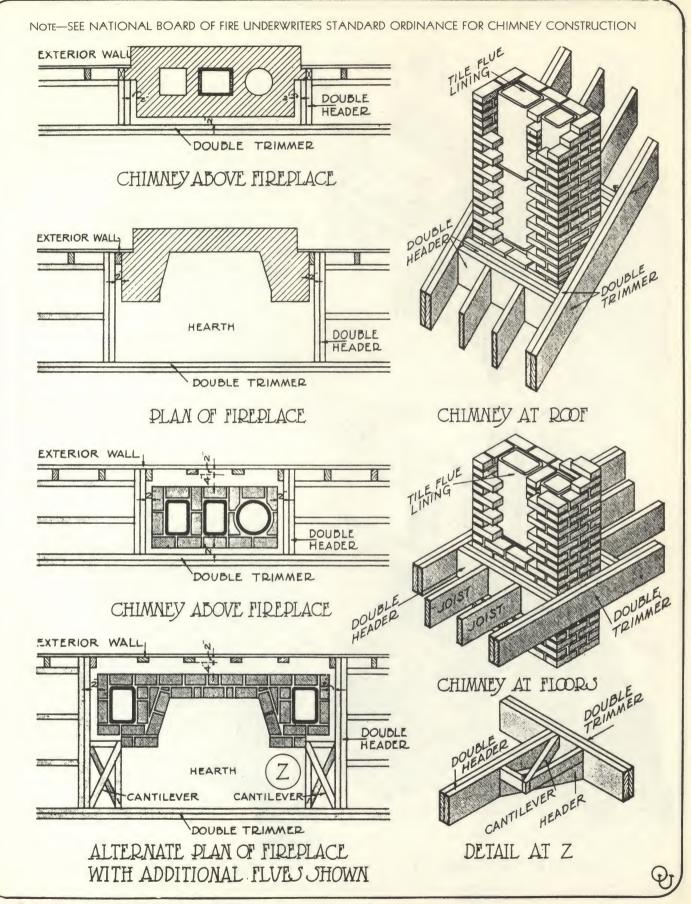


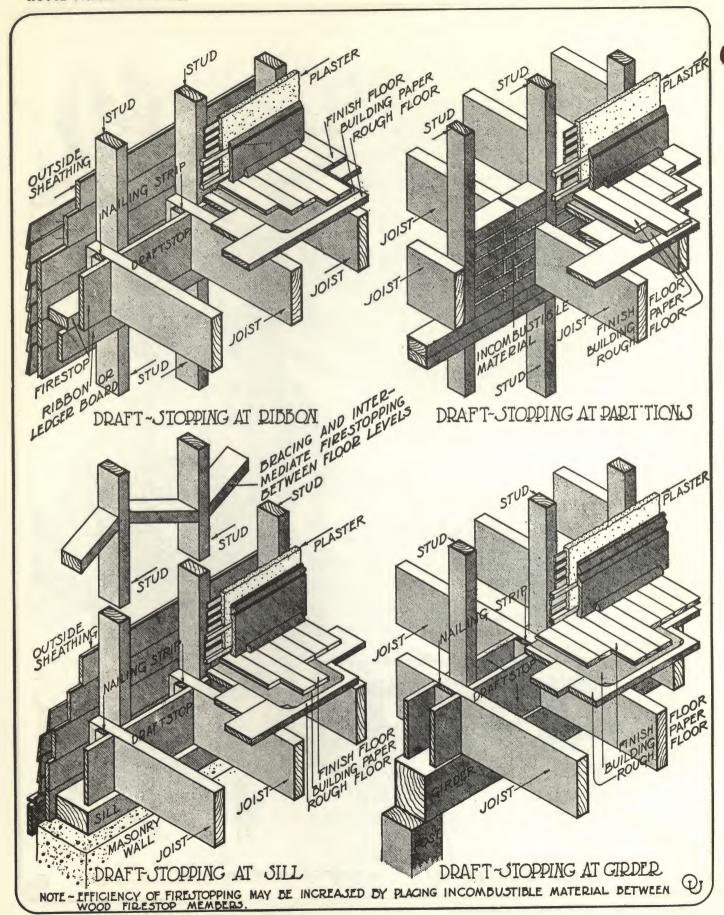


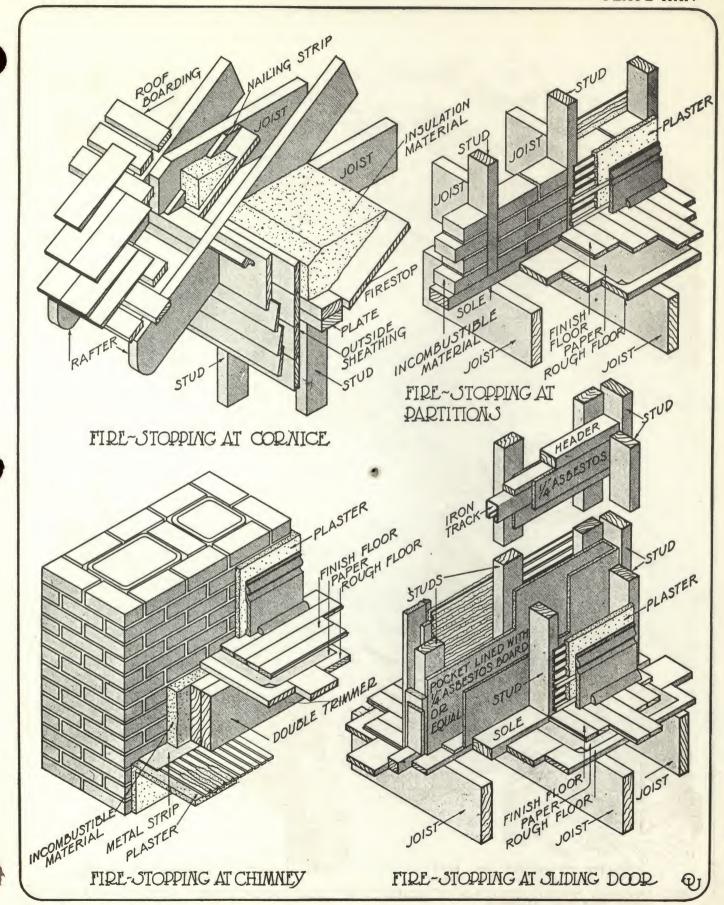


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THIS publication is a part of the service to distributors and consumers of lumber sponsored by the National Lumber Manufacturers Association. It is suggested that those desiring additional information regarding the respective species of wood write the following regional associations:

| American Walnut Manufacturers Association | Chicago, Illinois |
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| Appalachian Hardwood Manufacturers, Inc. Appalachian Ash, Basswood. Beech, Birch, Butternut, Chestnut. Cherry. Elm. Hickory, Maple. Yell White Oak. Walnut. | |
| Hardwood Dimension Manufacturers Association American Walnut. Ash. Basswood. Beech. Birch. Butternut, Chestnut. Cherry. Elm. Hickory. Maple Oak. White Oak. Hemlock. Tamarack, White Pine, Cypress (yellow), Cottonwood, Gum (black). Hackberry, Hickory. Magnolia. Pecan. Persimmon. Sycamore. Tupelo. Willow. | . Yellow Popular, Red |
| Mahogany Association, Inc. | Chicago, Illinois |
| Maple Flooring Manufacturers Association Maple, Beech and Birch Flooring. | Chicago. Illinois |
| Northeastern Lumber Manufacturers Association Northern White Pine. Norway Pine. Eastern Spruce. Balsam Fir. Northern Hardwoods. | New York, New York |
| Northern Hemlock and Hardwood Manufacturers Association Hemlock. Birch. Maple. Basswood. Elm. Ash. Beech. Tamarack. White Pine. | Oshkosh, Wisconsin |
| Northern Pine Manufacturers Association | Chicago, Illinois |
| Southern Cypress Manufacturers Association | Jacksonville, Florida |
| Southern Hardwood Producers, Inc. Ash. Basswood. Beech. Cypress (yellow). Cottonwood. Elm. Gum (black). Gum (red and sap Maple (soft), Magnolia, Oak (white). Oak (red), Poplar, Pecan, Persimmon. Sycamore. Tuj |) Hackberry Hickory |
| Southern Pine Association | New Orleans, Louisiana |
| West Coast Lumberman's Association Douglas Fir, West Coast Hemlock, Sitka Spruce, Western Red Cedar, Port Orford Cedar. | |
| Western Pine Association | Portland, Oregon ce, Red Cedar, Incense |
| The Veneer Association | Chicago, Illinois |

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| National Door Manufacturers Association | Chicago, Illinois |
| National Association of Hardwood Wholesalers | Chicago, Illinois |
| National Wholesale Lumber Yard Distributors Association | Baltimore, Maryland |
| Southern Pine Inspection Bureau of the Southern Pine Association | New Orleans, La. |

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